

PTO/SB/08a (07-08)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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of

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Complete if Known

Application Number	09/903,033
Filing Date	July 10, 2001
First Named Inventor	Jeffrey R. Boulter, et al.
Art Unit	2143
Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,568,156	03/02/1971	Kenneth L. Thompson	
		US- 4,384,329	05/17/1983	Walter S. Rosenbaum	
		US- 4,833,610	05.23.1989	Antoni D. Zamora	
		US- 5,062,143	10.29.1991	John C. Schmitt	
		US- 5,182,708	01.26.1993	Koichi Ejiri	
		US- 5,241,674	08.31.1993	Yoshiaki Kuorsawa	
		US- 5,303,150	04.12.1994	Masayuki Komeda	
		US- 5,303,302	04.12.1994	Michael Burrows	
		US- 5,371,807	12.06.1994	Michael S. Register	
		US- 5,392,212	02.21.1995	Jon C. Geist	
		US- 5,418,951	05.23.1995	Markc Damashek	
		US- 5,497,488	03.05.1996	Mirsuru Akizawa	
		US- 5,499,046	03.12.1996	Jay B. Schiller	
		US- 5,539,635	07.23.1996	Ernest J. Larson, Jr.	
		US- 5,548,507	08.20.1996	Michael J. Martino	
		US- 5,583,763	12.20.1996	John Atcheson	
		US- 5,592,511	01.07.1997	Neil C. Schoen	
		US- 5,661,787	08.26.1997	Michael H. Pocock	
		US- 5,675,786	10.07.1997	Neil Howard McKed	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		AU-A-53031/98	08.27.1998	Dudley John Mills		
		EP 0 173 639 A2	03.05.1986	Avrom R. Handleman		
		EP 1 050 833 A2	08.11.2000	Michael A. Lazarus		
		EP 1 236 354 A0	05.17.2001	Jeffrey Boulter		
		EP 0 847 156 A2	10.06.1998	Robert L. Wolfe		

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Application Number	09/903,033
Filing Date	July 10, 2001
First Named Inventor	Jeffrey R. Boulter, et al.
Art Unit	2143
Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

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U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		us-5,678,054	10.14.1997	Satoshi Shibata	
		us-5,706,365	01.16.1998	Vijayakumar Rangarajan, et al.	
		us-5,708,709	01.13.1998	John R. Rose	
		us-5,713,016	01.27.1998	Joe R. Hill	
		us-5,721,827	02.24.1998	James Logan, et al.	
		us-5,726,909	03.10.1998	Thomas M. Krikorian	
		us-5,740,134	04.14.1998	Tim Peterson	
		us-5,751,672	05.12.1998	Carl J. Yankowski	
		us-5,764,235	06.09.1998	William J. Hunt, et al.	
		us-5,790,423	08.04.1998	Edwin J. Lan, et al.	
		us-5,809,246	09.15.1998	Robert J. Goldman, et al.	
		us-5,819,160	10.06.1998	Mark Foladare, et al.	
		us-5,862,220	01.19.1999	Stephen G. Perlman	
		us-5,862,339	01.19.1999	Patrick P. Bonnaure	
		us-5,864,868	01.26.1999	David C. Contois	
		us-5,872,921	02.16.1999	Manuel Zahariev, et al.	
		us-5,881,234	03.09.1999	Pierre R. Schwab	
		us-5,884,312	03.16.1999	Robert Frederick Dustan	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 955 592 A2 & A3	11.10.1999	Zhenya Yourio		
		EP 1 010 098 B1	06.18.2003	Dale Tyson Roberts		
		EP 1 324 567 A2 & A3	07.02.2003	Dale Tyson Roberts		
		GB 2 306 869	07.05.1997	Patrik Garten		

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Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

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		Number-Kind Code ² (if known)			
		us-5,898,833	04.27.1999	Jeff Kidder	
		us-5,913,040	06.15.1999	Yuval Rakavy	
		us-5,913,041	06.15.1999	Srinivas Ramanathan	
		us-5,930,526	07.27.1999	Vaughn Iverson	
		us-5,930,768	07.27.1999	Edward Hooban	
		us-5,931,907	08.03.1999	Nicholas John Davies	
		us-5,941,951	08.24.1999	Michael Norman Day	
		us-5,945,988	08.31.1999	Christopher D. Williams	
		us-5,956,482	09.21.1999	Sanjay Agraharam	
		us-5,960,430	09.28.1999	Ira Joseph Haimowitz	
		us-5,969,283	10.19.1999	Brian M. Looney	
		us-5,977,964	11.02.1999	Christopher D. Williams	
		us-5,983,176	11.09.1999	Eric M. Hoffert	
		us-5,987,525	11.16.1999	Dale Tyson Roberts	
		us-5,996,015	11.30.1999	Michael Norman Day	
		us-6,000,008	12.07.1999	Robert J. Simcoe	
		us-6,009,382	12.28.1999	Michael John Martino	
		us-6,012,098	01.04.2000	Elias N. Bayeh	
		us-6,021,203	02.01.2000	John R. Douceur	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 2001202368	07.27.2001	Kitaura Keiko, et al.		
		JP 2001521642T	11.06.2001	Dale Tyson Roberts		
		WO 97/07467	02.27.1997	Sean Phelan		
		WO 98/25269 A1	06.11.1998	Keith Reynolds Wehmeyer		

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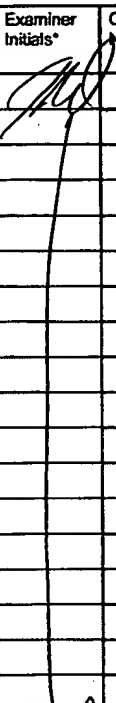
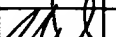
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Application Number	09/903,033
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First Named Inventor	Jeffrey R. Boulter, et al.
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		Number-Kind Code ² (if known)			
		us- 6,026,398	04.15.2000	David Brown, et al.	
		us- 6,026,439	02.15.2000	Shyamal Chowdhury	
		us- 6,029,195	02.22.2000	Frederick S.M. Herz	
		us- 6,031,797	02.29.2000	John M. Van Ryzin	
		us- 6,035,268	03.07.2000	Alwin B. Carus	
		us- 6,038,591	03.14.2000	Robert L. Wolfe	
		us- 6,047,268	04.04.2000	Paul D. Bartoli	
		us- 6,047,320	04.04.2000	Satoru Tezuka	
		us- 6,047,327	04.04.2000	Michael Man-Hak Tso	
		us- 6,052,717	04.18.2000	Brian Reynolds	
		us- 6,061,680	05.09.2000	Steven Douglas Scherf	
		us- 6,064,980	05.16.2000	Jennifer A. Jacobi	
		us- 6,065,051	05.16.2000	Douglas W. Steele	
		us- 6,065,058	05.16.2000	Brent Tzion Hailpern	
		us- 6,070,185	05.30.2000	Vinod Anupam	
		us- 6,085,242	07.04.2000	Rohit Chandra	
		us- 6,097,719	08.01.2000	Ray Benash	
			us- 6,102,406	08.15.2000	Steven A. Miles
		us- 6,105,022	08.15.2000	Toru Takahashi	

FOREIGN PATENT DOCUMENTS

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		WO 98/47080 A2	10.22.1998	Dale Tyson Roberts		
		WO 99/27681	06.03.1999	Steven D. Leeke		
		WO 99/43111	08.26.1999	James Logan		
		WO 00/31964	06.02.2000	Magnus Jandel		
		WO 00/46681 A1	08.10.2000	Christopher M. Coulthard		
		WO 01/33379 A1	05.10.2001	Jayanta Kumar Dey		

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Filing Date	July 10, 2001
First Named Inventor	Jeffrey R. Boulter, et al.
Art Unit	2143
Examiner Name	Jerry B. Dennison
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		us-6,131,082	10.10.2000	James E. Hargrave, III	
		us-6,134,532	10.17.2000	Michael A. Lazarus	
		us-6,138,142	10.24.2000	Steven J. Linsk	
		us-6,154,773	11.28.2000	Dale T. Roberts	
		us-6,161,132	12.12.2000	Dale Tyson Roberts	
		us-6,161,139	12.12.2000	Teresa Win	
		us-6,167,369	12.26.2000	Bruno M. Schulze	
		us-6,182,142	01.30.2001	Teresa Win	
		us-6,185,560	02.06.2001	Kai W. Young	
		us-6,205,126	03.20.2001	Billy Gayle Moon	
		us-6,222,980	04.24.2001	Hiroshi Asai	
		us-6,225,546	05.01.2001	Reiner Kraft	
		us-6,230,192	05.08.2001	Dale Tyson Roberts	
		us-6,230,207	05.08.2001	Dale Tyson Roberts	
		us-6,240,459	05.29.2001	Dale Tyson Roberts	
		us-6,249,810	06.19.2001	Jozsef Kiraly	
		us-6,272,495	08.07.2001	Greg Hetherington	
		us-6,292,795	09.18.2001	Matthew Peters	

FOREIGN PATENT DOCUMENTS

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		WO 01/35667 A1	05.17.2001	Jeffrey Boulter		
		WO 01/54323 A2	07.26.2001	Paul M. Hunt		
		WO 01/73639 A1	10.04.2001	Rick McEwan		
		WO 02/42862 A2	05.30.2002	Phillip Clark Evans		
		WO 03/012695 A2	02.13.2003	Dale T. Roberts		

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MSL		us- 6,298,446	10.02.2001	Daniel Schreiber	
		us- 6,314,421	11.06.2001	David Muir Sharnoff	
		us- 6,317,761	11.13.2001	Rick W. Landsman	
		us- 6,321,205	11.20.2001	Jeff Eder	
		us- 6,321,221	11.20.2001	Paul Bieganski	
		us- 6,330,593	12.11.2001	Dale Tyson Roberts	
		us- 6,343,317	01.29.2002	Harry A. Glorikian	
		us- 6,353,849	03.05.2002	Steven J. Linsk	
		us- 6,370,315	04.09.2002	Toshio Mizuno	
		us- 6,370,513	04.09.2002	Adam K. Kolawa	
		us- 6,389,467	05.14.2002	Aviv Eyal	
		us- 6,430,539	08.06.2002	Michael A. Lazarus	
		us- 6,487,598	11.26.2002	Andrew J. Valencia	
		us- 6,490,553	12.03.2002	Jean-Manuel Van Thong	
		us- 6,512,763	01.28.2003	Richard Case DeGolia Jr	
MSL		us- 6,526,411	02.25.2003	Sean Ward	
		us- 6,535,854	03.18.2003	Peter Buchner	
		us- 6,538,996	03.25.2003	Julian Wray West	

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**INFORMATION DISCLOSURE
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Complete if Known

Application Number	09/903,033
Filing Date	July 10, 2001
First Named Inventor	Jeffrey R. Boulter, et al.
Art Unit	2143
Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		us-6,557,026	04.29.2003	James H. Stephens, Jr.	
		us-6,560,704	05.06.2003	Jude Gerard Dieterman	
		us-6,611,812	08.26.2003	Marco M. Hurtado	
		us-6,615,208	09.02.2003	Clifford A. Behrens	
		us-6,655,963	12.02.2003	Eric J. Horvitz	
		us-6,657,117	12.02.2003	Christopher B. Weare	
		us-6,661,787	12.09.2003	Anne G. O'Connell	
		us-6,677,894	01.13.2004	Leonid Sheynblat	
		us-6,725,446	04.20.2004	Chris P. Hahn	
		us-6,741,980	05.25.2004	Justin Langseth	
		us-6,889,383	05.03.2005	Matthew Jarman	
		us-6,925,441	08.02.2005	Charles L. Jones, III	
		us-2001/0042107	11.15.2001	Stephen R. Palm	
		us-2001/0042109	11.15.2001	Mark T. Bolas	
		us-2001/0044855	11.22.2001	Brian Christopher Vermeire	
		us-2001/0052028	12.13.2001	Dale Tyson Roberts	
		us-2001/0055276	12.27.2001	Shane M. Rogers	
		us-2002/0002039	01.03.2002	Safi Qureshey	

FOREIGN PATENT DOCUMENTS

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First Named Inventor	Jeffrey R. Boulter, et al.
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		Number-Kind Code ² (if known)			
		US- 2002/0004839	01.10.2002	William Wine	
		US- 2002/0007418	01.17.2002	Kiran Venkatesh Hegde	
		US- 2002/0010621	01.24.2002	Christopher Nathan Bell	
		US- 2002/0010714	01.24.2002	Greg Hetherington	
		US- 2002/0010789	01.24.2002	Frank H. Lord	
		US- 2002/0013852	01.31.2002	Craig Janik	
		US- 2002/0016839	02.07.2002	Andrew J. R. Smith	
		US- 2002/0035561	03.21.2002	John Archer	
		US- 2002/0045717	04.18.2002	Werner Grenda	
		US- 2002/0056004	05.09.2002	Andrew J. R. Smith	
		US- 2002/0095387	07.18.2002	Bertrand Sosa	
		US- 2002/0111912	08.15.2002	Charles Eric Hunter	
		US- 2002/0129123	09.12.2002	Scott C. Johnson	
		US- 2002/0152204	10.17.2002	Ruben Ernesto Ortega	
		US- 2002/0175941	11.28.2002	Leonard S. Hand	
		US- 2003/0002608	01.02.2003	Robert C. Glenn	
		US- 2003/0007507	01.09.2003	Doron Rajwan.	
		US- 2003/0028796	02.06.2003	Dale T. Roberts	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 2003/0046283	03.06.2003	Dale T. Roberts	
		US- 2003/0083871	05.01.2003	Jonathan T. Foote	
		US- 2003/0093476	05.15.2003	Majid Syed	
		US- 2003/0133453	07.17.2003	Hiromichi Makishima	
		US- 2003/0135513	07.17.2003	Paul Quinn	
		US- 2003/0139989	07.24.2003	Eduardo Enrique Churquina	
		US- 2003/0165200	09.04.2003	Michael Anthony Pugel	
		US- 2003/0206558	11.06.2003	Teemu Parkkinen	
		US- 60/144,377	07.16.1999	Benjamin E. Hosken	
		US- 60/165,726	11.15.1999	Sean Michael Ward	
		US- 60/165,727	11.15.1999	Sean Michael Ward	
		US- 60/166,039	11.17.1999	Sean Michael Ward	
		US- 6,757,740	06.29.2004	Sanjay M. Parekh	
		US- 6,513,061	01.28.2003	Tomoichi Ebata	
		US- 6,282,548	08.28.2001	Michael E. Burner	
		US- 6,807,632	10.19.2004	Paul R. Carpentier	
		US- 6,405,203	06.11.2002	Todd R. Collart	
		US- 6,522,769	02.13.2003	Geoffrey B. Rhoads	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Application Number	09/903,033
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First Named Inventor	Jeffrey R. Boulter, et al.
Art Unit	2143
Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

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		Number-Kind Code ² (if known)			
		us- 2005/0149759	07.07.2005	Balamani S. Vishwanath	
		us- 6,952,523	10.04.2005	Yoshiaki Tanaka	
		us- 6,560,403	05.06.2003	Yoshiaki Tanaka	
		us- 6,434,535	08.13.2002	Michael S. Kupka	
		us- 6,031,795	02.29.2000	Keith Reynolds Wehmeyer	
		us- 5,754,938	05.19.1998	Frederick S.M. Hertz	
		us- 2002/0065857	05.30.2002	Zbigniew Michalewicz	
		us- 5,608,622	03.04.1997	Kenneth W. Church	
		us- 5,774,357	06.30.1998	Steven M. Hoffberg	
		us- 5,883,986	03.16.1999	Gary E. Kopec	
		us- 6,038,527	03.14.2000	Ingrid Renz	
		us- 6,047,251	04.04.2000	Leonard K. Pon	
		us- 6,252,988	06.26.2001	Tin Kam Ho	
		us- 6,614,914	09.02.2003	Geoffrey B. Rhoads	
		us- 6,658,151	12.02.2003	Dar-Shyang Lee	
		us- 6,272,456	08.07.2001	Miguel Cardoso de Campos	
		us- 2003/0190077	10.09.2003	David Justin Ross	
		us- 5,608,622	03.04.1997	Kenneth W. Church	

FOREIGN PATENT DOCUMENTS

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Filing Date	July 10, 2001
First Named Inventor	Jeffrey R. Boulter, et al.
Art Unit	2143
Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

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		us- 5,608,622	03.04.997	Kenneth W. Church	
		us- 5,754,938	05.19.1998	Frederick S.M. Herz	
		us- 5,774,357	06.30.1998	Steven M. Hoffberg	
		us- 6,611,813	08.26.2003	Timothy Robert Bratton	
		us- 6,587,127	07.01.2003	Steven D. Leeke	
		us- 6,505,160	01.07.2003	Kenneth L. Levy	
		us- 2002/0082901	06.27.2002	Ted E. Dunning	
		us- 2003/0182139	09.25.2003	Geoffrey H. Harris	
		us- 2002/0099737	07.25.2002	Charles A. Porter	
		us- 6,263,313	07.17.2001	Kenneth Louis Milsted	
		us- 5,950,189	09.07.1999	Edith Cohen	
		us- 2001/0005823	06.18.2001	Uwe Fischer	
		us- 2002/0099696	07.25.2002	John Prince	
		us- 6,532,477	03.11.2003	John C. Tang	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

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		Filing Date	July 10, 2001		
		First Named Inventor	Jeffrey R. Boulter, et al.		
		Art Unit	2143		
		Examiner Name	Jerry B. Dennison		
Sheet	-12-	of	-16-	Attorney Docket Number	085804 . 019501

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		"Fast Algorithms for Projected Clustering," Charu C. Aggarwal, Cecilia Procopiuc, Joel L. Wolf, Philip S. Yu, and Jong Soo Park. Proceedings of the ACM SIGMOD International Conference on Management of Data, 1999	
		"Mel-Frequency Cepstral Analysis," [online] [retrieved on 2001-02-02] Retrieved from the Internet <URL:http://ccrma-www.stanford.edu/~unjung/mylec/mfcc.html>, pp. 1-3	
		Agosti, M., Gradenigo, G. Marchetti, P.G., "A Hypertext Environment for Interacting with Large Textual Databases," pp. 469-477	
		Alan Griffiths, H. Claire Luckhurst & Peter Willett, "Using Interdocument Similarity Information in Document Retrieval Systems," pp. 365-373, ©1986 by John Wiley & Sons, Inc.	
		Belkin, N.J. Oddy, R.N., Brooks, H.M., "The Journal of Documentation," Volume 38, Number 2, June 1982, pp. 299-304	
		Brian P. McCune, Richard M. Tong, Jeffrey S. Dean & Daniel G. Shapiro, "RUBRIC: A System for Rule-Based Information Retrieval," pp. 440-445	
		R. Brody, Ph.D., "The Conditions and Consequences of Profiling in Commercial and Governmental Settings," Technology And Society, 1998. ISTAS 98. Wiring The World: The Impact Of Information Technology On Society, Proceedings of the 1998 International Symposium on South Bend, IN, USA 12-13 June 1998, NY, NY, USA, IEEE, US, 12 June 1998 (1998-06-12), pp. 148-154, XP010291443, ISBN: 0-7803-4327-1 *the whole document*	
		C.J. van Rijsbergen B.Sc., Ph.D., M.B.C.S., "Information Retrieval," Department of Computing Science - University of Glasgow [online], 1979 [retrieved on 2001-08-24] Retrieved from <URL:http://www.dcs.gla.ac.uk/keith/preface.html> (213 pages)	
		Chapter 3 - "Key Concepts," pp. 85-92 Found in: Readings in Information Retrieval, Edited by Karen Sparck Jones & Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997	
		MusicMatch Literature downloaded from web.archive.org - 7 pages total	
		RealNetworks Literature downloaded from web.archive.org - 16 pages total	
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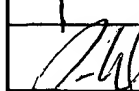
Application Number	09/903,033
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Art Unit	2143
Examiner Name	Jerry B. Dennison
Attorney Docket Number	085804 . 019501

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		Cyril Cleverdon, "The Cranfield Tests On Index Language Devices," presented April 27th 1967, pp. 47-59, Found in: <i>Readings in Information Retrieval</i> , Edited by Karen Sparck Jones & Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997	
		Cyril W. Cleverdon & J. Mills, "The Testing Of Index Language Devices," presented February 5, 1963, Chapter 3 - Key Concepts, pp. 98-110, Found in: <i>Readings in Information Retrieval</i> , Edited by Karen Sparck Jones & Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997	
		Carl de Marcken, "The Unsupervised Acquisition of a Lexicon from Continuous Speech," Massachusetts Institute of Technology Artificial Intelligence Laboratory: Center for Biological and Computational Learning, Department of Brain and Cognitive Sciences, A.I. Memo No. 1558 and C.B.C.L. Memo No. 129, November 2001, pp. 1-27	
		E. Michael Keen, "Presenting Results of Experimental Retrieval Comparisons," Department of Information & Library Studies, University College of Wales, Aberystwyth, SY23 3AS U.K., pp. 217-222	
		G. Salton & M.E. Lesk, "Computer Evaluation Of Indexing and Text Processing," pp. 60-84, Found in: <i>Readings in Information Retrieval</i> , Edited by Karen Sparck Jones & Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997	
		G. Salton & M.J. McGill, "The SMART and SIRE Experimental Retrieval Systems," pp. 381-399	
		G. Salton, A. Wong & C.S. Yang, "A Vector Space Model for Automatic Indexing," Cornell University, pp. 273-280	
		Gerard Salton & Christopher Buckley, "Term-Weighting Approaches In Automatic Text Retrieval," (received November 19, 1987; accepted in final form January 26, 1988), Department of Computer Science, Cornell University, Ithaca, NY	
		Gerard Salton & Michael J. McGill, "Introduction to Modern Information Retrieval," Computer Science Series, pp. 1-435, ©1983 by McGraw-Hill, Inc., McGraw-Hill Book Company, USA	

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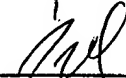
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		Application Number	09/903,033		
		Filing Date	July 10, 2001		
		First Named Inventor	Jeffrey R. Boulter, et al.		
		Art Unit	2143		
		Examiner Name	Jerry B. Dennison		
Sheet	-14-	of	-16-	Attorney Docket Number	085804 . 019501

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		Hayes, Connor, et al., "Smart Radio - A Proposal," Technical Report TCD-CS-1999-24, Online! April 1999, pp. 1-14, XP002279579, Trinity College Dublin, Ireland, Retrieved from the Internet: <URL:http://www.cs.tcd.ie/publications/tech-reports/reports.99/TCD-CS-1999-24.pdf>, retrieved on May 7, 2004	
		Hoffman, Thomas, et al., "Latent Class Models For Collaborative Filtering," Proceedings Of The Sixteenth International Joint Conference On Artificial Intelligence, IJCAI 99, Stockholm, Sweden, July 31 -August 6, 1999, Online! pp. 688-693, XPOO2279578, Retrieved from the Internet <URL:http://www.cs.brown.edu/th/papers/HofmannPuzicha-IJCAI99.pdf>, retrieved on May 7, 2004	
		Hull, David A. and Grefenstette, Gregory, "Querying Across Languages: A Dictionary-Based Approach to Multilingual Information Retrieval," pp. 484-492	
		Internet Papers: Freetantrum: Songprint 1.2, and computer code; www.freetantrum.org; December 11, 2000; 46 pages	
		Jean Tague-Sutcliffe, "The Pragmatics of Information Retrieval Experimentation Revisited," School of Library & Information Science, University of Western Ontario, Canada pp. 205-216	
		Jones, Karen Sparck, Jones, G.J.F., Foote, J.T. and Young, S.J., "Experiments in Spoken Document Retrieval," pp. 493-502	
		Jones, Karen Sparck and Willett, Peter, "Readings In Information Retrieval," Morgan Kaufmann Publishers, Inc., 1997, pp. 25-110, 205-246, 257-412, 440-445, 469-502, 527-533	
		Karen Sparck Jones, "Search Term Relevance Weighting Given Little Relevance Information," pp. 329-338, (originally located in Journal of Documentation, Vol. 35, No. 1; March 1979, pp. 30-48)	
		Lancaster, F.W., "MEDLARS: Report on the Evaluation of Its Operating Efficiency," pp. 223-246	

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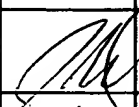

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		Attorney Docket Number	085804 . 019501
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		Lauren B. Doyle, "Indexing and Abstracting by Association - Part 1," pp. 25-38, Santa Monica, CA, Found in: <i>Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997</i>	
		Liu, Zhu, Wang, Yao and Chen, Tsuhan, "Audio Feature Extraction and Analysis for Scene Segmentation and Classification," Journal of VLSI Signal Processing 20.61-79 (1998)	
		Loeb, Shoshana, "Architecting Personalized Delivery Of Multimedia Information," Communications Of The ACM, vol. 25, no. 12, December 1992, pp. 39-50, XP002102709	
		M.F. Porter, "An Algorithm For Suffix Stripping," Computer Laboratory, Corn Exchange Street Cambridge, 313-316	
		M.E. Maron & J.L. Kuhns, "On Relevance, Probabilistic Indexing and Information Retrieval," pp. 39-46, Found in: <i>Readings in Information Retrieval, Edited by Karen Sparck Jones and Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997</i>	
		NICHOLS, DAVID M. et al., Recommendation And Usage In The Digital Library, Technical Report Ref. CSEG/2/1997, Online! 1997, pages 1-15, XP002279577, Retrieved from the Internet <URL:ftp://ftp.comp.lancs.ac.uk/pub/reports/1997/CSEG.2.97.pdf>, retrieved on May 7, 2007	
		Rau, Lisa F., "Conceptual Information Extraction and Retrieval from Natural Language Input," Artificial Intelligence Program GE Research and Development Center, Schenectady, NY 12301, pp. 527-533	
		S.E ROBERTSON; "The Probability Ranking Principle In 1R," School of Library, Archive, Information Studies, University College of London, pgs. 281 - 286	
		S.E. ROBERTSON and S. WALKER, "Some Simple Effective Approximations to the 2 - Poisson Model for Probabilistic Weighted Retrieval," Centre for Interactive Systems Research, Department of Information Science, City University, Northampton Square, London, ECIV OHB, U.K., pgs. 345 - 354	

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<i>ML</i>		Salton, Gerard, Allan, James, Buckley, Singhal, Amit, "Automatic Analysis, Theme Generation, and Summarization of Machine-Readable Texts," pp. 478-483	
		Schafer, J. Ben, et al., "Recommender Systems In E-Commerce," Proceedings ACM Conference On Electronic Commerce, 1999, pp. 158-166, XP002199598	
		Shah, Tej, "Improving Electronic Commerce Through Gather Customer Data," TCC402 [online] 23 April 1998 (1998-04-23) XP002379874, University of Virginia, USA, Retrieved from the Internet: <URL:http://www.lib.virginia.edu> [Retrieved on 2006-05-08] *the whole document*	
		Stubblefield, Adam and Wallach, Dan S., "A Security Analysis of My.MP3.com and the Beam-it Protocol," Department of Computer Science, Rice University	
		Tomek Strzalkowski, "Robust Text Processing in Automated Information Retrieval," Courant Institute of Mathematical Sciences, pp. 317-322	
		W.B. Croft and D.J. Harper, "Using Probabilistic Models of Document Retrieval Without Relevance Information," Department of Computer & Information Science, University of Massachusetts, pp. 339-344	
		W.J. Hutchins, "The Concept of 'Aboutness' in Subject Indexing," presented April 18, 1977, Chapter 3 - Key Concepts, pp. 93-97, Found in: <i>Readings in Information Retrieval</i> , Edited by Karen Sparck Jones & Peter Willett, Morgan Kaufmann Publishers, Inc., San Francisco, CA ©1997	
		Witten, Ian H. and Frank, Eibe, "Data Mining, Practical Machine Learning Tools and Techniques with JAVA Implementations," Academic Press, pp. 57-76	
		Wold, Erling, Blum, Thom, Keislar, Douglas and Wheaton, James, "Content-Based Classification, Search, and Retrieval of Audio," IEEE MultiMedia, Fall 1996	
<i>ML</i>		Written Opinion of the Patent Cooperation Treaty for International Patent Application No.: PCT/US02/03504	

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